



Substitute for form 1449/PTO  
(Revised 04/2003)

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1 Attorney Docket Number 038779/271509

### Complete If Known

|                      |                   |
|----------------------|-------------------|
| Application Number   | 10/720,662        |
| Filing Date          | November 24, 2003 |
| First Named Inventor | Moon et al.       |
| Group Art Unit       | 1648              |
| Examiner Name        | Lucas, Zachariah  |

OTHER DOCUMENTS

| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.              | English Language Translation Attached |
|-------------------|----------|--|---------------------------------------|
| 32                | 14       | E. Miskovsky et al. Comparative safety and immunogenicity of yeast recombinant hepatitis B vaccines containing S and pre-S2+S antigens, Vaccine 9: 346-350, 1991   |                                       |
| 32                | 15       | S. Kuroda et al. Induction of protection level of anti-pre-S2 antibodies in humans immunized with a novel hepatitis B vaccine consisting of M (preS2+S) protein particles (a third generation vaccine). Vaccine 9: 163-169, 1991   |                                       |
| 32                | 16       | P.J. Kniskern et al. A candidate vaccine for hepatitis B containing the complete viral surface protein. Hepatology 8: 82-87, 1988  |                                       |
| 32                | 17       | D.N. Standring, J.H. Ou, W.J. Rutter. Assembly of viral particles in Xenopus oocytes: pre-surface-antigens regulate secretion of the hepatitis B viral surface envelope particle. Proc. Natl. Acad. Sci. USA 83: 9338-9342, 1986   |                                       |
| 32                | 18       | F.V. Chisari, P. Filippi, A. McLachlan, D.R. Milich, M. Riggs, S. Lee, R.D. Palmiter, C.A. Pinkert, R.L. Brinster. Expression of hepatitis B virus large envelope polypeptide inhibits hepatitis B surface antigen secretion in transgenic mice. J. Virol. 60: 880-887, 1986 |                                       |
| 32                | 19       | K.C. Cheng, G.L. Smith, B. Moss. Hepatitis B virus large surface protein is not secreted but is immunogenic when selectively expressed by recombinant vaccinia virus. J. Virol. 60: 337-344, 1986  |                                       |
| 32                | 20       | J. Hui et al. Expression and characterization of chimeric hepatitis B surface antigen particles carrying pre-S epitopes. J. Biotechnol. 72: 49-59, 1999  |                                       |
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| Examiner Signature |  | Date Considered | 6/13/05 |
|--------------------|--|-----------------|---------|

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.